

1      **ABSTRACT**

2      Described are mechanisms and techniques for enabling incremental non-  
3      chronological synchronization of namespaces. In an environment, entities must  
4      have unique names within a namespace and entities may only refer to entities that  
5      actually exist within the namespace. Synchronizing two such namespaces  
6      involves providing a mechanism for indicating that an entity has been created  
7      because a reference to that entity has been made even though that entity does not  
8      yet exist. At such time as the entity is formally created, the indication is removed.  
9      Synchronizing two such namespaces also involves providing a mechanism for  
10     indicating that an entity's unique name in the namespace has been compromised  
11     through the synchronization process.

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